

Substitute for form 1449A/PTO

**INFORMATION  
DISCLOSURE STATEMENT  
BY APPLICANT**

Sheet 1 of 12

NOV 03 2003  
PATENT TRADEMARK OFFICE 691C

Complete If Known	
Application Number	10/630,622
Filing Date	July 30, 2003
First Name Inventor	Mark Schmidt et al.
Group Art Unit	2876
Examiner Name	<del>AK</del> Ahshik Kim
Attorney Docket Number	108-194USANB0

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Documents		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Intn'l Class / Sub Class
		Number	Kind Code (if known)			
AK		6,182,898		Schmidt et al.	02/06/2001	
		6,158,662		Kahn et al.	12/12/2000	G06K 7/10
		5,945,660		Nakasuji et al.	08/31/1999	G06K 7/10
		5,828,049		Knowles et al.	10/27/1998	G06K 7/10
		5,828,048		Rockstein et al.	10/27/1998	G06K 7/10
		5,825,012		Rockstein et al.	10/20/1998	G06K 7/10
		5,808,285		Rockstein et al.	09/15/1998	G06K 7/10
		5,796,091		Schmidt et al.	08/18/1998	G06K 7/10
		5,789,731		Amundsen et al.	08/04/1998	G06K 7/10
		5,789,730		Rockstein et al.	08/04/1998	G06K 7/10
AK		5,786,582		Roustaei et al.	07/28/1998	G02B 26/08

IDS filed on 6/4/04 are duplicate of this IDS.



### U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Documents		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Intn'l Class / Sub Class
		Number	Kind Code (if known)			
AK		5,777,315		Wilz et al.	07/07/1998	G06K 7/10
		5,767,501		Schmidt et al.	06/16/1998	G06K 7/10
		5,756,982		Knowles et al.	05/26/1998	
		5,742,043		Knowles et al.	04/21/1998	G06K 7/10
		Des. 385,265		Knowles et al.	10/21/1997	
		5,736,982		Suzuki et al.	04/07/1998	G06F 3/00
		5,661,292		Knowles et al.	08/26/1997	G06K 7/10
		5,637,852		Knowles et al.	06/10/1997	G06K 7/10
		5,627,359		Amundsen et al.	05/06/1997	G06K 7/10
		5,616,908		Wilz et al.	04/01/1997	G06K 7/10
		5,610,386		Ball et al.	03/11/1997	G06K 7/10
		5,600,121		Kahn et al.	02/04/1997	G06K 7/10
AK		5,591,953		Rockstein et al.	01/07/1997	G06K 7/10



# U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Documents		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Intr'l Class / Sub Class
		Number	Kind Code (if known)			
AK		5,557,093		Knowles et al.	09/17/1996	G06K 7/10
		5,528,024		Rockstein et al.	06/18/1996	G06K 7/10
		5,525,789		Rockstein et al.	06/11/1996	G06K 7/10
		5,496,992		Madan et al.	03/05/1996	
		5,484,992		Wilz et al.	01/16/1996	G06K 7/10
		5,468,951		Knowles et al.	11/21/1995	G06K 7/10
		5,468,949		Swartz et al.	11/21/1995	G06K 7/10
		5,424,525		Rockstein et al.	06/13/1995	G06K 7/10
		5,420,411		Saletto, Jr. et al.	05/30/1995	G06K 7/10
		5,371,348		Kumar et al.	12/06/1994	G06K 7/10
		5,354,977		Roustaei	10/11/1994	G06K 7/10
		5,347,113		Reddersen et al.	09/13/1994	G06K 7/10
AK		5,340,971		Rockstein et al.	08/23/1994	G06K 7/10



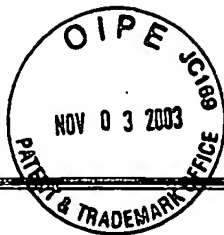
### U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Documents		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Intn'l Class / Sub Class
		Number	Kind Code (if known)			
SK		5,340,973		Knowles et al.	08/23/1994	G06K 7/10
		5,334,821		Campo et al.	08/02/1994	G06K 5/00
		5,324,924		Cal et al.	06/28/1994	G06K 7/10
		5,294,782		Kumar	03/15/1994	G06K 7/10
		5,280,162		Marwin	01/18/1994	G06K 7/10
		5,272,324		Blevins	12/21/1993	G06K 7/10
		5,272,323		Martino	12/21/1993	G06K 7/10
		5,262,627		Shepard	11/16/1993	G06K 7/10
		5,260,553		Rockstein et al.	11/09/1993	G06K 7/10
		5,250,792		Swartz et al.	10/05/1993	G06K 7/10
		5,250,790		Melitsky et al.	10/05/1993	G06K 7/10
		5,247,162		Swartz et al.	09/21/1993	G06F 7/10
SK		5,237,161		Grodevant	08/17/1993	G06K 7/10



# U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Documents		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Intn'l Class / Sub Class
		Number	Kind Code (if known)			
DL		5,216,231		Ouchi	06/01/1993	G06K 7/10
		5,212,370		Wittensoldner et al.	05/18/1993	G06K 7/10
		5,206,492		Shepard et al.	04/27/1993	G06K 7/01
		5,198,650		Wilke, Jr.	03/30/1993	G06K 7/10
		5,180,904		Shepart et al.	01/19/1993	G06K 7/10
		5,157,687		Tymes	10/20/1992	H04K 1/00
		5,155,346		Doing et al.	10/13/1992	G06K 7/10
		5,153,417		Sakai et al.	10/06/1992	G06K 7/10
		5,149,950		Swartz et al.	09/22/1992	G06K 7/10
		5,142,550		Tymes	08/25/1992	H04K 1/00
		5,132,523		Bassett	07/21/1992	G06K 7/01
		5,107,100		Shepard et al.	04/21/1992	G06K 7/10
AK		5,086,215		Carsner et al.	02/04/1992	G06K 7/10



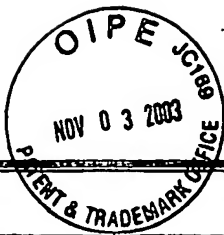
# U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Documents		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Intr'l Class / Sub Class
		Number	Kind Code (if known)			
AV		5,080,456		Katz et al.	01/14/1992	G02B 26/10
		5,075,538		Swartz et al.	12/24/1991	G06K 7/10
		5,065,003		Wakatsuki et al.	11/12/1991	
		5,059,777		Wittensoldner et al.	10/22/1991	G06K 7/10
		5,047,617		Shepard et al.	09/10/1991	G06K 7/10
		5,029,183		Tymes	07/02/1991	H04B 15/00
		5,021,641		Swartz et al.	06/04/1991	G06K 7/10
		5,019,698		Jay	05/28/1991	G06K 7/10
		5,017,765		Shepart et al.	05/21/1991	G06K 7/10
		5,015,833		Shepard et al.	05/14/1991	G06K 7/10
		4,970,379		Danstrom	11/13/1990	G06K 7/14
		4,962,980		Knowles	10/16/1990	G02B 26/10
AV		4,958,894		Knowles	09/25/1990	G02B 26/10



# U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Documents		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Intn'l Class / Sub Class
		Number	Kind Code (if known)			
JK		4,935,610		Wike, Jr.	06/19/1990	G06K 7/10
		4,933,538		Heiman et al.	06/12/1990	G06K 7/10
		4,930,848		Knowles	06/05/1990	G02B/10
		Des. 305,885		Barkan et al.	02/06/1990	
		4,897,532		Swartz et al.	01/30/1990	G06K 7/10
		4,877,949		Danielson et al.	10/31/1989	G06K 7/10
		4,845,349		Cherry	07/04/1989	G04K 7/10
		4,835,374		Swartz et al.	05/30/1989	G06K 7/10
		4,825,057		Swartz et al.	04/25/1989	
		4,816,660		Swartz et al.	03/28/1989	G06F 7/10
		4,806,742		Swartz et al.	02/21/1989	G06K 7/10
		4,766,299		Tierney et al.	08/23/1988	
JK		4,766,297		McMillan	08/23/1988	



# U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Documents		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Intr'l Class / Sub Class
		Number	Kind Code (if known)			
SK		4,760,248		Swartz et al.	07/26/1988	G06K 7/10
		4,736,095		Shepard et al.	04/05/1988	
		4,713,785		Antonelli et al.	12/15/1987	G06F 15/24
		4,673,805		Shepard et al.	06/16/1987	G06K 7/10
		4,647,143		Yamazaki et al.	03/03/1987	G02B 26/10
		4,639,606		Boles et al.	01/27/1987	G06K 7/10
		4,621,189		Kumar et al.	11/04/1986	G06K 7/10
		4,593,186		Swartz et al.	06/03/1986	G06K 9/24
		4,575,625		Knowles	03/11/1986	G06K 7/10
		4,570,057		Chadima, Jr. et al.	02/11/1986	G06K 7/10
		4,521,678		Winter	06/04/1985	G06K 7/10
		4,496,831		Swartz et al.	01/29/1985	G06K 7/10
SK		4,465,926		Apitz et al.	08/14/1984	





### U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	U.S. Patent Documents		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Intn'l Class / Sub Class
		Number	Kind Code (if known)			
AK		4,460,120		Shepard et al.	07/17/1984	G06K 9/24
		4,431,912		Dickson et al.	02/14/1984	G06K 7/10
		4,409,470		Shepard et al.	10/11/1983	G06K 7/10
		4,387,297		Swartz et al.	06/07/1983	G06K 9/24
		4,282,425		Chadima, Jr.	08/04/1981	G06K 7/10
		4,279,021		See et al.	07/14/1981	G06F 15/06
		4,240,064		DevChoudhury	12/16/1980	G06K 7/14
		4,086,476		King	04/25/1978	G06K 7/10
AK		4,072,859		McWaters	02/07/1978	H01J 39/12



# FOREIGN PATENT DOCUMENTS

Examiner Initials		Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Intn'l Class / Sub Class	T
		Numbe r	Kind Code (if known)					
JL ↓ AL		JP	EP 460 669		Osaka Works of Sumitomo, Osaka, Japan	11/12/1991		
		EP	0 871 138 A2		Metrologic Instruments, Inc.	10/14/1998	G06K 7/10	
		EP	0 424 976 A2		Canon Kabushiki Kaisha, Tokyo, Japan	05/02/1991		
		EP	0 424 097 A1		Fujitsu Limited	04/24/1991		
		EP	0 414 452 A1		NCR Corporation	02/27/1991		
		EP	0 323 848		Tokyo Electric Co., Ltd.; Tokyo, Japan	07/12/1989	G 06 K 7/10	



# PUBLICATIONS

Examiner Initials	Cite No.	Description
AM		The web-based publication entitled "POCKET-SIZED COMPUTING FOR MOBILE INDUSTRY PROFESSIONALS" by Symbol Technologies, Inc., <a href="http://www.smbol.com/wp/stwp0006.htm">http://www.smbol.com/wp/stwp0006.htm</a> , 1998, pages 1-3.
		The 1998 press release entitled "SYMBOL ADDS FUNCTIONALITY TO PALMPILOT" by Symbol Technologies, Inc., <a href="http://www.symbol.com/press.100pr.htm">http://www.symbol.com/press.100pr.htm</a> , March 23, 1998, pages 1-2.
		The product brochure for the MH290 HAND HELD LASER SCANNER by Metrologic Instruments, Inc., 1987, pages 1-2.
AM		The technical publication entitled "HAND-HELD HOLOGRAPHIC SCANNER HAVING HIGHLY VISIBLE LOCATOR BEAM" by R.T. Cato, IBM Technical Disclosure Bulletin, Vol. 27, No. 4, September 1984, pages 2021-2022.



PUBLICATIONS		
Examiner Initials	Cite No.	Description
AK		PCT Search Report for PCT/US99/28530, 1999
AK		EPO Search Report for 99 96 2976

EXAMINER

Ahshik Kim

DATE CONSIDERED

9-27-05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance not considered. Include copy of this form with next communication to applicant.

(INFORMATION DISCLOSURE STATEMENT - SECTION 9 PTO-1449)